



CERTIFICATE OF MAILING

Attorney Docket Number 2000.611 US PD

I hereby certify that this paper is being deposited with the USPS with sufficient postage, addressed to the United States Patent and Trademark Office on the date shown below.

BY: Katharine L. S.

Date: 11/6/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
JOENS, LYNN

Serial No.: 09/677,108

Group Art Unit: 1645

Filed: September 29, 2000

Examiner: R. Zeman

For: VACCINES FOR PROLIFERATIVE ILEITIS AND METHODS OF MAKING AND USING THE SAME

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.97(c)

Commissioner of Patents  
Alexandria, VA 22313

November 6, 2003

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. Copies of the cited references are enclosed. In a previous Information Disclosure Statement filed April 18, 2003 the Examiner's attention was directed to USSN 10/034,500 related to Lawsonia vaccines filed December 20, 2001. The references listed on the attached for PTO-1449 were cited in that application and copies of those references are submitted herewith.

The Commissioner is hereby authorized to charge Deposit Account No. 02-2334 in the amount of \$180.00 for the required fee under 37 CFR 1.17(p).

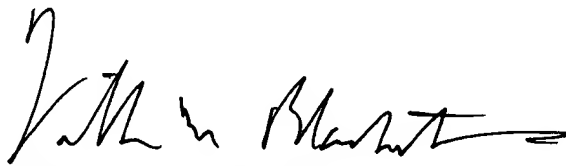
11/13/2003 GWORDDF1 00000018 022334 09677108

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The above information is presented so that the Patent and Trademark Office can determine any materiality thereof to the claimed invention. It is respectfully requested that the information be considered during the prosecution and that the cited documents be listed on the front page of any patent issuing from this application.

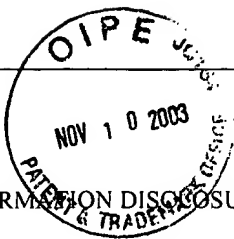
The Commissioner is hereby authorized to charge any additional fee or credit any overpayment associated with this application to our Deposit Account No. 02-2334.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'W. M. Blackstone', with a horizontal line drawn underneath it.

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INFORMATION DISCLOSURE CITATION

PTO-1449

Attorney Docket No.

2000.611 US PD

Serial No.

09/677,108

Applicant

Joens, Lynn A

Filing Date

September 29, 2000

Group

1645

### U.S. PATENT DOCUMENTS

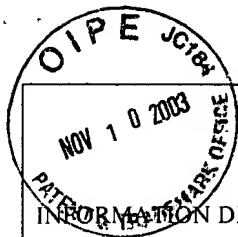
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Translation
	AJ				
	AK				
	AL				
	AM				
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	AQ				

### OTHER DOCUMENTS

	AR	Ellis, R.W. (Chapter 29 of "VACCINES"[Plotkin, S.A. et al. (eds) published by W.B. Saunders company (Philadelphia) in 1988, especially page 571
	AS	Rudinger et al, in "PEPTIDE HORMONES", edited by Parsons, J.A., University Park Press, June 1976, page 6
	AT	Burgess et al., The Journal of Cell Biology, 111 :2129-2138, 1990
	AU	Lazar et al., Molecular and Cellular Biology, 8(3) : 1247-1252, 1988
	AV	Jobling et al. (Mol. Microbiol, 1991, 5(7) : 1755-67
Examiner		Date Considered



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	Applicant Joens, Lynn A	
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

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	AR	McCluskey et al, Infect Immun 2002 Jun; 70 (6): 289-907
	AS	DATABASE SWALL 'Online!', 1 October 2000, retrieved from EBP Database accession no. Q9KQE0
	AT	DATABASE SWALL 'Online!', 1 May 1999, retrieved from EBI Database accession no. Q9ZCH2
	AU	Kim J et al: "Immunohistochemistry and polymerase Chain Reaction for the Detection of Lawsonia Intracellularis in Porcine Intestinal Tissues with Proliferative Enteropathy; Journal of Veterinary Medical Science; vol. 7, no. 62, July 2000, pages 771-773
	AV	Dale C Jane H et al: "Identification and sequencing of the free operon and flanking genes of Lawsonia intracellularis: Use in phylogeny", Microbiology, Society for General Microbiology, Reading, GB, vol. 144, no. 8, August 1998, pages 2073-2084
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